

Astragalus funereus M. E. Jones**BLACK WOOLLYPOD****FAMILY:** *Fabaceae*, the legume family.**SYNONYMS:** *Astragalus newberryi* var. *funereus*
Astragalus purshii var. *funereus***STATUS:****Heritage Program SENSITIVE LIST, ranks: G2 S2****USFWS/ESA:** species of concern. **STATE OF NEVADA:** none. **BLM:** Special Status Species in Nevada.**USFS:** Humboldt-Toiyabe NF Sensitive Species. **NNNPS:** watch list.**POPULATION CENSUS (NEVADA):** **12 occurrences mapped** at 1.0 km (0.6 mi) separation, **OR 17 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals 1514+**, total estimated **area 460+ ha (1137+ ac)**.
TREND: unknown.**IMPACTS AND MAJOR THREATS (NEVADA):** Gold mining potential; threats in Bullfrog Hills and construction on Nevada Test Site.**INVENTORY EFFORT (NEVADA):** Surveys have been conducted in Nevada but remain largely incomplete. Most recent entered survey 1992, average year of last survey 1983. **Years since last entered survey** (percent of mapped records at various survey ages): **6-10 yrs:** 52.9%; **11-20 yrs:** 17.6%; **21-30 yrs:** 23.5%; **51+ yrs or unknown:** 5.9%.**LAND MANAGEMENT (NEVADA)** in decreasing predominance: U. S. Department of Energy, U. S. Bureau of Land Management, private lands, Humboldt-Toiyabe National Forest, National Park Service, U. S. Fish and Wildlife Service (?), U. S. Department of Defense (?).**RANGE:** Clark, Lincoln (?), and Nye counties, Nevada; also in CA. Maximum Nevada **range dimension 141.8 km (88.1 mi)** excluding most disjunct record.**ELEVATIONS RECORDED (NEVADA):** 3200-7680 feet (975-2341 meters).**HABITAT (NEVADA):** Dry, open scree, talus, or gravelly alluvium derived from light-colored volcanic tuff, on east, south, less commonly west, rarely north aspects.**PHENOLOGY:** flowering early-spring. Range of most frequent **survey months:** March-June.**LIFE-FORM AND HABIT:** small perennial herb.**DESCRIPTION:** not available (see references).**PHOTOGRAPHS:** Blomquist et al. (1995), Knight and Smith (1995), Knight et al. (1997), Weixelman and Atwood (1990); Nevada Natural Heritage Program images web page (1998-present), slide collection (1986-present), and files.**ILLUSTRATIONS:** Mozingo and Williams (1980), Weixelman and Atwood (1990).**OTHER GENERAL REFERENCES** (listed separately): Ackerman (1981), Barneby (1964), Beatley (1977), Clokey (1951), Cochrane (1979), Hickman (1993).**SPECIFIC REFERENCES:**Crosby, V. 1978. Status report for *Astragalus aequalis*. Portland, Oregon: U. S. Fish and Wildlife Service.Crosby, V. 1978. Status report on *Astragalus funereus*. Portland, Oregon: U. S. Fish and Wildlife Service.

Knight, T. A. 1989. A rare plant survey of Bare Mountain, Battle Mountain District, Bureau of Land Management, Nye County, Nevada. Carson City: Nevada Natural Heritage Program, prepared for the Battle Mountain District, Bureau of Land Management.